

#8

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

62574-A

Serial No.

09/903,359

Applicants

Ulrich Laemmli and
Samuel Janssen

Filing Date

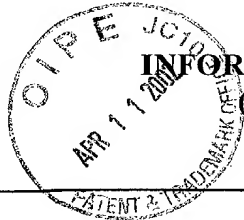
July 11, 2001

Group

1634

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

52	Beerman, T.A., Woynarowski, J.M., Sigmund, R.D., Gawron, L.S., Rao, K.E., and Lown, J.W., "Netropsin and bis-netropsin analogs as inhibitors of the catalytic activity of mammalian DNA topoisomerase II and topoisomerase cleavable complexes", (1991), <i>Biochimica et Biophysica Acta</i> , 1090: 52-60. (Exhibit 2)
	Baird, Eldon E. and Dervan, Peter B., "Solid Phase Synthesis of Polyamides Containing Imidazole and Pyrrole Amino Acids", (1996), <i>J. Am. Chem. Soc.</i> , 118: 6141-6146. (Exhibit 3)
	Platero, J.S., Csink, A.K., Quintanilla A., and Henikoff, S., "Changes in Chromosomal Localization of Heterochromatin-binding Proteins during the Cell Cycle in <i>Drosophila</i> ", (1998), <i>The Journal of Cell Biology</i> , 140: 1297-1306. (Exhibit 4)
	Martello, Pamela A., Bruzik, J.P., deHaseth, P., Youngquist, R.S., and Dervan, P., "Specific Activation of Open Complex Formation at an <i>Escherichia coli</i> Promoter by Oligo (N-methylpyrrololecarboxamide)s: Effects of Peptide Length and Identification of DNA Target Sites", (1989), <i>Biochemistry</i> , 28: 4455-4461. (Exhibit 5)
	Yanagi, K., Prive, G.G., and Dickerson, R.E., "Analysis of Local Helix Geometry in Three B-DNA Decamers and Eight Dodecamers", (1991), <i>J. Mol. Biol.</i> , 217: 201-214. (Exhibit 6)

EXAMINER

S. J. Janssen

DATE CONSIDERED

1-4-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicants: Ulrich Laemmli
and Samuel Janssen
Serial No.: 09/903,359
Filed: July 11, 2001
Exhibit 1

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

62574-A

Serial No.

09/903,359

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Ulrich Laemmli and

Samuel Janssen

Filing Date

July 11, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

SZ	Wang, Wuyi and Lown, J. William, "Anti-HIV-I Activity of Linked Lexitropsins", (1992), <i>J. Med. Chem.</i> , 35: 2890-2897. (Exhibit 7)
	Kielkopf, Clara L., White, S., Szewczyk, J.W., Turner, J.M., Baird, E.E., Dervan, P.B., and Rees, D.C., "A Structural Basis for Recognition of A-T and T-A Base Pairs in the Minor Groove of B-DNA", (1998) <i>Science</i> , 282: 111-115. (Exhibit 8)
	Geierstanger, Bernhard H., Mrksich, M., Dervan, P.B., and Wemmer, D.E., "Design of a G-C--Specific DNA Minor Groove-Binding Peptide", (1994) <i>Science</i> , 266: 646-648. (Exhibit 9)
	Gottesfeld, Joel M., Neely, L., Trauger, J.W., Baird, E.E., and Dervan, P.B., "Regulation of gene expression by small molecules", (1997) <i>Science</i> , 387: 202-205. (Exhibit 10)
	Lammamie de Clairac, Rafael, P., Seel, C.J. Geierstanger, Mrkish, M., Baird, E.E., Dervan, P.B., and Wemmer, D.E., "NMR Characterization of the Aliphatic β/β Pairing for Recognition of A-T/T-A Base Pairs in the Minor Groove of DNA", (1999) <i>J. Am. Chem. Soc.</i> , 121: 2956-2964. (Exhibit 11)

EXAMINER

S. Zomer

DATE CONSIDERED

1-4-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
62574-ASerial No.
09/903,359INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)Applicants
Ulrich Laemmli and
Samuel JanssenFiling Date
July 11, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation
					Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

52	Henikoff, Steven, "Heterochromatin function in complex genomes", (2000) <i>Biochimica et Biophysica Acta</i> , 1470: 01-08. (Exhibit 12)
	Lohe, Allan R., Hilliker, A.J., Roberts, P.A., "Mapping Simple Repeated DNA Sequences in Heterochromatin of <i>Drosophila melanogaster</i> ", (1993) <i>Genetics</i> , 134: 1149-1174. (Exhibit 13)
	McBryant, Steven J., Baird, E.E., Trauger, J.W., Dervan, P.B., and Gottesfeld, J.M., "Minor Groove DNA-Protein Contacts Upstream of a tRNA Gene Detected with a Synthetic DNA Binding Ligand", (1999) <i>J. Mol. Biol.</i> , 286: 973-981. (Exhibit 14)
	Turner, James M., Swalley, S.E., Baird, E.E., and Dervan, P.B., "Aliphatic/Aromatic Amino Acid Pairings for Polyamide Recognition in the Minor Groove of DNA", (1998) <i>J. Am. Chem. Soc.</i> , 120: 6219-6226. (Exhibit 15)
	Youngquist, R.S., and Dervan, P.B., "A Synthetic Peptide Binds 16 Base Pairs of A,T Double Helical DNA", (1987) <i>J. Am. Chem. Soc.</i> , 109: 7564-7566. (Exhibit 16)

EXAMINER

S. Zomer

DATE CONSIDERED

1-4-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

62574-A

Serial No.

09/903,359

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Ulrich Laemmli and
Samuel Janssen

Filing Date

July 11, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

52	Turner, James M., Baird, E.E., and Dervan, P.B., "Recognition of Seven Base Pair Sequences in the Minor Groove of DNA by Ten-Ring Pyrrole-Imidazole Polyamide Hairpins", (1997) <i>J. Am. Chem. Soc.</i> , 119: 7636-7644. (Exhibit 17)
	Youngquist R.S., and Dervan, P.B., "Sequence-specific recognition of B-DNA by oligo(N-methylpyrrolocarboxamide)s" (1985) <i>Biochemistry</i> , 82: 2565-2569. (Exhibit 18)
	Pelton, J.P., and Wemmer, D.E., "Structural characterization of a 2:1 distamycin A-d(CGCAAATTGGC) complex by two-dimensional NMR" (1989) <i>Biochemistry</i> , 86: 5723-5727. (Exhibit 19)
	Omichinski, James G., Pedone, P.V., Felsenfeld, G., Gronenborn, A.M., Clore, G.M., "The solution structure of a specific GAGA factor-DNA complex reveals a modular binding mode" (1997) <i>nature structural biology</i> , 4(2): 122-132. (Exhibit 20)
	Neamati, Nouri, Mazumder, A., Sunder, S., Owen, J.M., Tandon, M., Lown J.W., Pommier, Y., "Highly Potent Synthetic Polyamides, Bisdistamycins, and Lexitropsins as Inhibitors of Human Immunodeficiency Virus Type 1 Integrase" (1998) <i>Molecular Pharmacology</i> , 54: 280-290. (Exhibit 21)

EXAMINER

S. Zlotner

DATE CONSIDERED

1-24-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
62574-ASerial No.
09/903,359

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Applicants

Ulrich Laemmli and
Samuel Janssen

Filing Date

July 11, 2001

Group

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>SZ</i>	Csink Amy, K., and Henikoff, Steven, "Genetic modification of heterochromatic association and nuclear organization in <i>Drosophila</i> " (1996) <i>Nature</i> , 381: 529-531. (Exhibit 22)
	White, Sarah, Baird, E.E. and Dervan, P.B., "On the pairing rules for recognition in the minor groove of DNA by pyrrole-imidazole polyamides" (1997) <i>Chemistry & Biology</i> , 4(8): 569-578. (Exhibit 23)

EXAMINER

S. Zomer

DATE CONSIDERED 1-4-03

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.